



Clarity Prowler™ CAT5 Distribution Matrix Switch

-Video

- 0-450MHz video bandwidth, DC coupled, can pass 1080p60 3rd harmonics, for crystal clear images.

- Compatible with all HDTV formats including: 1440p, 1080p, 1080i, 576p, 576i, 540p, 720p, 480p, 480i and all refresh rates including: 50Hz, 60Hz and 24Hz.

- Y/Pb/Pr Component, or RGB w/sync on green, or RGBHV, PAL or NTSC formats.

- 8 local component video zones which can be switched to any of the 8 output channels.

- 8 local component video zones which can be switched to any of the 11 input channels.

Audio

- Digital audio switching for both coax and optical, with automatic conversion between both formats on inputs and outputs.

- Programmable mute while switching, delays (sometimes called "Fade to Black"). Used to prevent rolling, and audio "thumps" while switching. Different zones can have different delays.

- Full Volume, Bass and Treble control of /*analog AND digital*/ audio.

- *Analog audio is automatically converted to digital audio.*

- *Digital audio is automatically converted to analog audio.*

- Both analog and digital audio is available simultaneously on the outputs.

- 4 Optical digital inputs.

Control

- Volume control through serial or TCP/IP control.

- Highly intuitive, easy to use front panel. No cryptic key sequences to learn, current settings easily viewed from across the room.

- All IR discrete codes available, including On, Off, Mute, and unique IR discrete codes for mapping every input to every zone.

- 32 programmable presets allows you define 32 different setups. Presets can affect only a single zone, or multiple zones. Presets allow you to turn on and completely remap zones with a single IR code!

- Rear panel TCP/IP control jack.

- RS-232 with a very simple, yet very extensive, command set. Allows switching video, analog audio and digital audio independently. Firmware upgradeable.

Highlights

- Volume, bass, treble & 5 band equalizer control per zone

- Single command master volume control and master mute

- 3 dedicated channels of composite which auto convert to component

- Seamless analog to digital / digital to analog audio conversion

- Commercial paging / doorbell interrupt to programmed audio zones

- Front door camera display request to preset display(s) from doorbell interrupt or motion sensor alert

- Prowler CAT5 out transmits audio (analog or digital), video and power up to a 1000' feet with no power required at the receiver

5
YEAR

[Advanced
Replacement
Warranty]

Control 4™

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Specifications

Video

*Composite to component video conversion.
Will convert any two composite sources to
any two component displays at one time.*

Bandwidth: 0-450mhz

Input Coupling: D.C. (max. allowable D.C. offset: 1.5V)

Output Coupling: D.C. (D.C. offset less than 40mV)

Resolution: 480i - 1440p, all HDTV modes, includes
1080p24 & 1080p60, 75 ohms

Component Video: 8 CAT5e/6 video outputs

Input impedance

*Composite sources to
any two component displays at one time*

Analog Audio

Analog Inputs 8 inputs w/ auto conversion to digital

Analog Outputs 8 local outputs

Frequency Response: 0Hz-125KHz @ +0/-3dB

S.N. Ratio: > 80dB, 0Hz-22KHz unweighted

Input Impedance: 5K ohms

Volume Control Digital and stereo analog volume control
including bass and treble with automatic
conversion between both formats
Input/output gain control

Audio Format Conv.

Seamless conversion between analog & digital

Digital Audio

S/PDIF Inputs: 2 Coax (w/ auto conversion)

S/PDIF Outputs: 2 Coax, 2 Optical

Optical Inputs: 4 (Prowler), 8 (Clarity Elite)

Transfer Rates: Optical: 13.2Mb/s, Coax: 50Mb/s

Digital Audio Modes: PCM, DD5.1, DTS, All modes

Coax Input Levels: 200mV - 7.0V (PC card compatible)

Coax Output Level: 500mV nominal into 75 ohms

Control

*Digital and stereo analog volume control including
bass, treble and 5 band EQ along with input/output gain*

IR Sensor: Modulation Frequency: 34KHz-42KHz

IR Jack: 3V to 15V any polarity, mod. or un-mod. (IR jack is opto-isolated)

12V Control: 3V to 15V for on, less than 0.2V for off

Serial Port: 9600 8N1, USB Serial Cable Compatible

TCP/IP: K.I.S.S.™ Protocol, Upgradeable Firmware
Telnet, HTTP, ARP

Power

Power Requirements: 100V-240V, 50Hz-60Hz, auto-sensing

Warranty: 5 Year Advanced Replacement (www.zektor.com/support/warranty.htm)

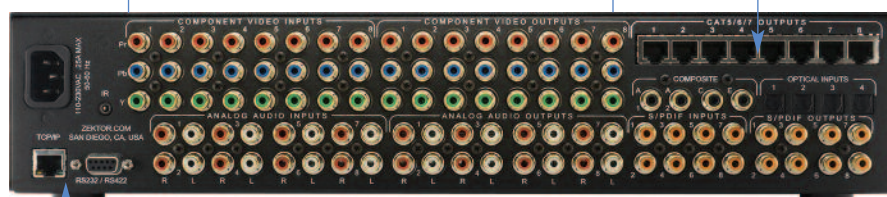


Highly intuitive easy to use front panel. No cryptic
key sequences to learn, current settings easily
viewed from across the room

Easy to use audio or video breakaway.
Watch the game while listening to a CD!

Y/Pb/Pr Component, RGB w/ sync on green, RGBHV,
Composite or S-Video with PAL or NTSC formats

CAT5 Outputs



TCP/IP control

32 programmable presets.
Allows 32 different setups.
Control a single zone, multiple zones.
Complete control with a single IR code.

RS 232 communication with Zektor's KISS protocol

SoloCAT™ CAT5 Distribution

The Prowler utilizes our new SoloCAT CAT5 technology to deliver crystal clear audio, video and power up to 1000' feet with NO power required for the SoloCAT receiver. This is accomplished over a SINGLE CAT5 cable. In addition, the Prowler provides the ability to view the same source, at the same time, at the local video output and the CAT5 output.

8 local component video out and 8 CAT5 zones out simultaneously!

Control 

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